

Abstract of the Disclosure

A method and system are provided to perform a process of dynamically establishing an ad-hoc network including a plurality of work machines, one or more of which move within a work environment, and each of which includes a gateway. The process may be performed by a respective gateway included within a respective one of the work machines and includes determining a first set of work machines that are within direct communication range of the respective work machine based on the respective work machine's current location within the work environment. Further, the process includes determining a second set of work machines that are in direct communication range of one or more of the work machines in the first set. The process may also include forwarding a packet received from a first work machine included in the first set to a second work machine included in the first set based on a determination that the second work machine is either directly or indirectly within communication range of a third work machine included the second set. In addition, the process includes updating the work machines included in at least one of the first and second set of work machines based on at least one of (i) the respective work machine changing locations within the work environment and (ii) any of the work machines included in the first or second sets changing locations within the work environment.